PRESTIGE

LED LIGHTING

Venus W15 LED Moving Wash (French Lens)

USER MANUAL

LED MOVING HEAD LIGHT

(OSRAM RGBW 4-IN-1 19*15W)

TABLE OF CONTENTS

1. Summary 3
Product Introduction 3
Content List 3
2. Safety Information 3
Safety notes 3
Safety instructions 4
3. Product diagram 4
4. Features 5
5. DMX Control 6
23CH 6
19CH 7
6. Display Operation Instructions 8
7. Menu Instructions 9
8. XLR cable connecting 11
XRL cable 11
9. Wiring Diagram 12
10. Trouble Shooting 13
11. Technical Specifications 14

1. SUMMARY

Thank you for purchasing our Venus W15 LED Moving Wash French Lense. Please read these instructions carefully before operating the system to avoid any possible damage or misuse.

PRODUCT INTRODUCTION

The Venus W15 LED Moving Wash has a light source that uses high powered OSRAM 4-in-115W LED lights, each made up of R, G, B, and W LEDs which can be independently dimmed and altered. This fixture has a long life span, low power consumption, good colour mixing effects and high brightness. The built-in programs include dimming, strobe, gradual change, fading etc. settings, and the rotation angles are 540° Pan and 220° tilt. It is recommended that an international standard DMX 512 signal is used for best results.

.

CONTENT LIST

- LED moving head light (x1)
- Bracket (x1)
- DMX signal cable (x1)
- Power in cable (x1)
- The user manual (x1)
- Warranty Card (x1)

2. SAFETY INFORMATION

SAFETY NOTES

Seek advice from a professional prior to authoring any repairs
Always ensure the system is disconnected from the power source before assembling, deconstructing and moving
Avoid direct eye exposure when in use

SAFETY INSTRUCTIONS

Ensure the power supply voltage corresponds with the required voltage for the lights, and is within the range of the requested technical restrictions.

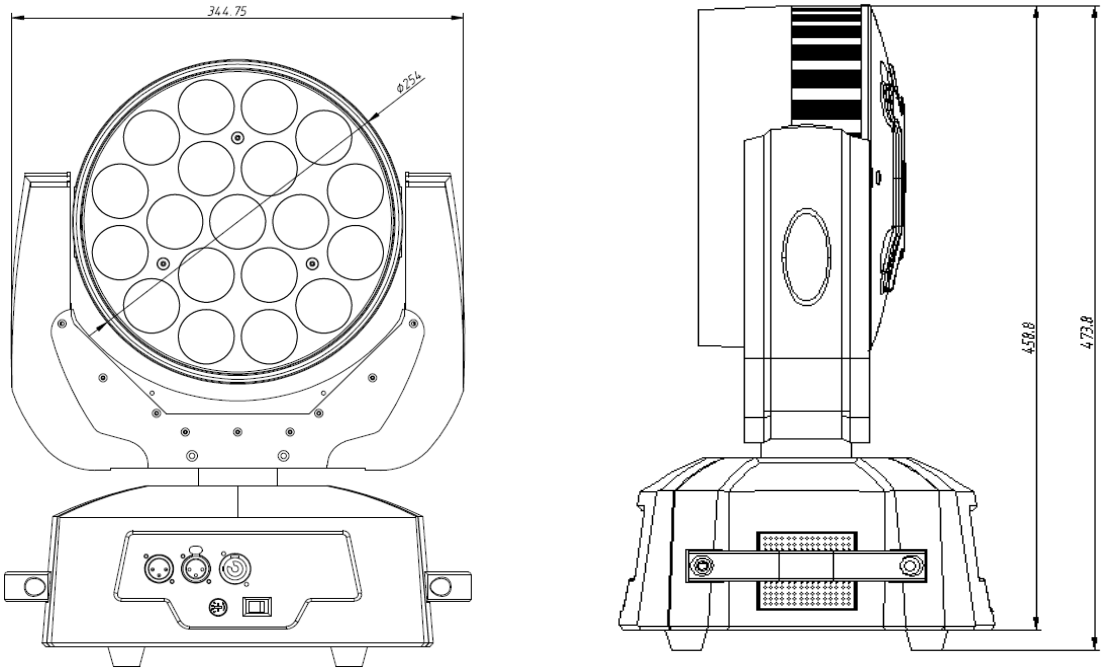
Before installing, check the lights' fasteners and mechanical structures are in good condition and there is no apparent damage.

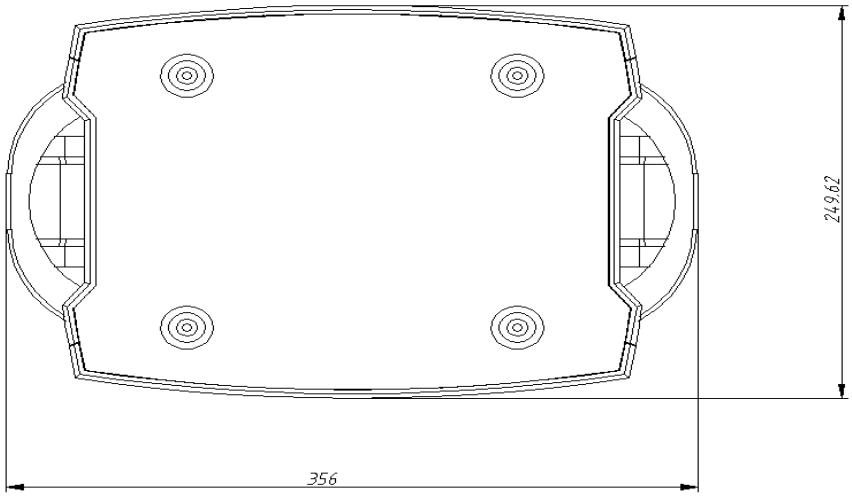
This light is designed for indoor and outdoor use, however the working temperature must be kept below 50 degrees.

The fixtures can be mounted in any position, provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items within 0.5 meters of the fixture.

The yellow/green cables are for earthling safety. These should not flicker when fixture is in use.

3. PRODUCT DIAGRAM





4. FEATURES

- Uses high quality LED light sources which have low power consumption, high brightness, stable performance and a long life span.
- Uses the 32-bit ARM for dimming, with a 0-16666 - class of PWM output and dimming frequencies up to 1.5K Hz;
- Linear dimming 0%-100%, with effects including strobe, gradual change, jumping change etc.
- DMX512 Controller, 4 button set DMX ID address with LCD display
- Auto run/ sound activated/ master slave/ interconnected multi-machine control
- Uses switching power supply to protect the LED and enhance the performance
- Pan 540 degrees, Tilt 220 degrees, reset function
- Focusing angles vary from 8 to 52 degree
- DMX channels optional, 19CH,23CH
- Five kinds of dimming mode, Dimmer1~4。OFF for not use. Dimming smooth without flicker from Dimmer1 to Dimmer4, smoothness from weak to strong respectively.

5. DMX CONTROL

23CH

Channel	DMX Value	Function
1CH	0—255	General dimming
2CH	0—255	Red dimming 1
3CH	0—255	Green dimming 1
4CH	0—255	Blue dimming 1
5CH	0—255	White dimming 1
6CH	0—255	Red dimming 2
7CH	0—255	Green dimming 2
8CH	0—255	Blue dimming 2
9CH	0—255	White dimming 2
10CH	0—255	Red dimming 3
11CH	0—255	Green dimming 3
12CH	0—255	Blue dimming 3
13CH	0—255	White dimming 3
14CH	0—10 11—255	Strobe off Strobe speed（1-20Hz）
15CH	0—50 51—100 101—150 151—200 201—255	Invalid AUTO 1 AUTO 2 AUTO 3 Keep
16CH	0—255	Automatic speed （slow-fast）
17CH	0-255	Pan 0--540°
18CH	0-255	Tilt 0--220°
19CH	0-255	Pan fine 0—2.1°
20CH	0-255	Tilt fine 0—1.0°
21CH	0-255	X/Y speed（fast to slow）
22CH	0-255	Zoom (zoom in - zoom out)
23CH	0-10 11-20 21-30 31-40 41-50 51-60	Use menu to set the Dimmer Dimmer off Dimmer 1 Dimmer 2 Dimmer 3

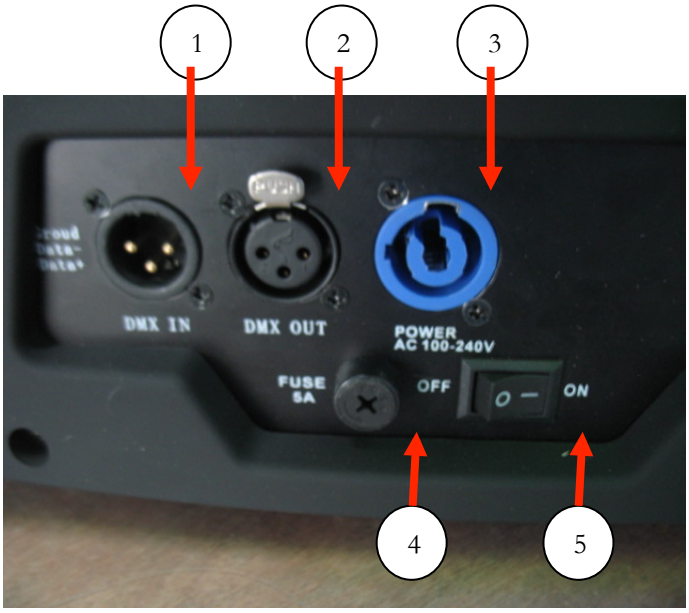
	61-254 255-255	Dimmer 4 Setted Dimmer Reset（5 seconds）

19CH

Channel	DMX Value	Function
1CH	0—255	General dimming
2CH	0—255	Red dimming 1
3CH	0—255	Green dimming 1
4CH	0—255	Blue dimming 1
5CH	0—255	White dimming 1
6CH	0—255	Red dimming 2
7CH	0—255	Green dimming 2
8CH	0—255	Blue dimming 2
9CH	0—255	White dimming 2
10CH	0—255	Red dimming 3
11CH	0—255	Green dimming 3
12CH	0—255	Blue dimming 3
13CH	0—255	White dimming 3
14CH	0—10 11—255	Strobe off Strobe speed（1-20Hz）
15CH	0-255	Pan 0--540°
16CH	0-255	Tilt 0--220°
17CH	0-255	X/Y speed（fast to slow）
18CH	0-255	Zoom (zoom in - zoom out)
19CH	0-10 11-20 21-30 31-40 41-50 51-60 61-254 255-255	Use menu to set the Dimmer Dimmer off Dimmer 1 Dimmer 2 Dimmer 3 Dimmer 4 Setted Dimmer Reset（5 seconds）

6. DISPLAY OPERATION INSTRUCTIONS

Graphic



1: DMX512 DMX-IN XLR socket

2: DMX512 DMX-OUT XLR socket

3: AC POWER-IN socket AC100-240V 50-60Hz

4: FUSE 5A

5: power switch ON/OFF

7. MENU INSTRUCTIONS

1：Press the *menu* or *enter* button

2：Press the *up* and *down* buttons to choose to desired functions

Menu	DMX Address	001-512	
	Option	X reverse	No/Yes
		Y reverse	No/Yes
		XXY exchange	No/Yes
		Dimmer mode	Off□ Dimmer1-4
		CH mode	19CH/23CH
	Display	Language	□□□□ /English
		Lightness	01-32
		Poorlight	Constant open/No operation dim/No operation off
	Manual control	CH1	0-255
		CH2	0-255
		CH3	0-255
		CH4	0-255
		CH5	0-255
		CH6	0-255
		CH7	0-255
		CH8	0-255
		CH9	0-255
		CH10	0-255
		CH11	0-255
		CH12	0-255
		CH13	0-255
		CH14	0-255
		CH15	0-255
		CH16	0-255
		CH17	0-255
		CH18	0-255
		CH19	0-255
		CH20	0-255

		CH21	0-255
		CH22	0-255
		CH23	0-255
	Test operation	Sound	Running…
		Auto	Running…
	Resume default	Yes/No	
	Fixture reset	Yes/No	

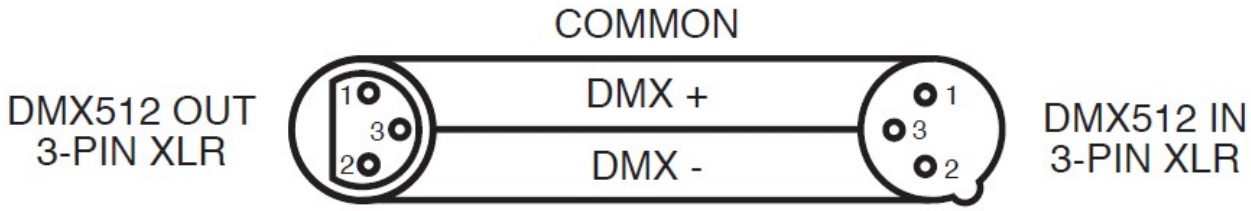
Note: When operating in the sound activated mode or automatic mode, the machine will transmit the data as the master.

8. XLR CABLE CONNECTING

XRL CABLE

The standard connection of the XRL should have one end connecting to the male plug, and the other connecting to the female.
As below: pin 1 - ground, pin 2 - negative signal, pin 3 - positive signal

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



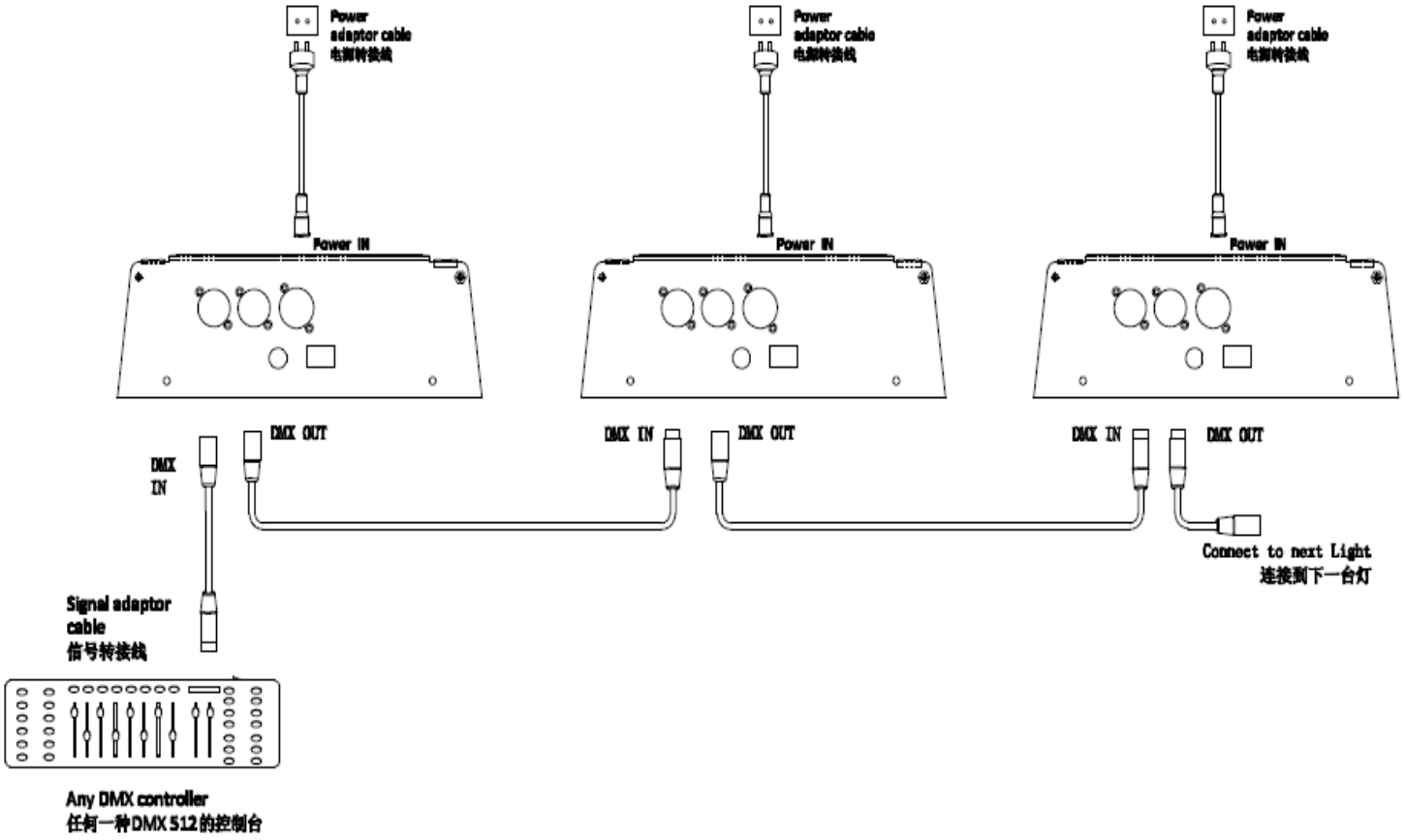
Note: In order to avoid failures and interference with signal transmission, connect a resistance 120Ω （1/4W）at the end of the DMX connection as shown below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

The conversion between 3 pin and 5 pin XLR.
If the output cable of the DMX512 controller is a 5PIN, a 5PIN to 3PIN cable is necessary.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

9. WIRING DIAGRAM



10. TROUBLE SHOOTING

Problem	Suggestions
The light won't turn on	Check if the power plug is working normally Check if the light switch is off or on Check if the power supply is working normally
The DMX is not controlling the light	Check if the DMX cable is connected to the light properly Check if the DMX512 controller is working normally. Check if the DMX cable is damaged. Check if the light is in DMX mode (Addr:001).
The display is not working	When the electricity is connected, the LED should flash once. If this is not the case, check the power switch and transformer. Check if the power input of the IC board is working. Check if the cable connected to the display is secure. Change the main board to ensure that it is working properly. Change the display.
The LED is not light	When the electricity is connected, the LED should flash once. If this is not the case, check the power switch and transformer. Check if the power input of the IC board is working. Check if the cable connected to the display is secure. Change the main board to ensure that it is working properly.
Some of the LEDs are not light	Check if the LEDs are secure, as the LED is connected by LEDs in series. Use the multimeter (diode) to check if the LED is bright or not. If not, the LED will need replacing. Check constant current IC is working properly (compared with the normal IC).

Single color LEDs are always light/not light at all	Check if the voltage of the input end of corresponding color is working. Change the IC control board.

Note: Seek advice from a professional prior to authoring any repairs

11. TECHNICAL SPECIFICATIONS

- Input voltage: AC 100V-240V/47-63HZ
- Output voltage: DC24V
- Consumption: 320W
- Lamp Type: High power LED
- Lamp Spec: OSRAM RGBW 4-IN-1 LED (19pcs)
- Constant current drive: 1000mA (single color drive)
- Refresh Rate: above 600Hz
- Life Span: over 50000 hours
- Control Signal: DMX512/sound activated/auto run
- Control mode: stand alone／master and slaver
- DMX channels: 23CH/ 19CH
- Color effect: R, G, B, W, Mixing
- Function effect: Dimmer, strobe, gradual change, sound activated
- Pan 540 degree; Tilt 220 degree; Reset
- Pan fine2.1 degree; Tilt fine 1.0 degree
- Beam angle: 8º-52º
- Cooling mode: Fan cooling
- Protection rate: IP20
- Anti-electricity intension: 1.5KV
- Insulation resistance: ＞ 2 M□
- Size: 320*254*398mm
- Net weight: 15 Kg